Notice of Allowability    10/789,503	i	oplication No.	Applicant(s)
Notice of Allowability   Examiner   Art Unit   3729	Notice of Allowability	)/789 503	LILLE, JEFFREY S.
The MAILING DATE of this communication appears on the cover sheet with the correspondence address-   It claims being allowable. PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included  rewell for previously mailed)   a holice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS  OTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initial  the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.    This communication is responsive to 6/4/2007.     The allowed claim(s) is/are 1-5.7-10 and 27-31.     Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(e)-(d) or (f).     a)			
Il claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included retwith (or previously mailed), a Notice of Allowance (PTOL-86) or other appropriate communication will be mailed in due course. THIS OTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initial the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  ☑ This communication is responsive to & ##Z007.  ☑ The allowed claim(s) is/are 1-5. 7-10 and 21-31.  ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  *Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE—MONTH PERIOD IS NOT EXTENDABLE.  ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.21(d).  ☐ DEPOSIT OF and/or INFORMATION About the deposit of BIOLOGICAL		aul D. Kim	3729
Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)	I claims being allowable, PROSECUTION ON THE MERITS IS (OF crewith (or previously mailed), a Notice of Allowance (PTOL-85) or COTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT the Office or upon petition by the applicant. See 37 CFR 1.313 and the operation of the company of the control	R REMAINS) CLOSED in other appropriate community. This application is su	this application. If not included nication will be mailed in due course. THIS
a)   All   b)   Some* c)   None of the:  1.   Certified copies of the priority documents have been received. 2.   Certified copies of the priority documents have been received in Application No 3.   Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONNENT of this application. TRIST THREE-MONTH PERIOD IS NOT EXTENDABLE.    A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.    CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a)   including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  1)   hereto or 2)   to Paper No./Mail Date  (b)   including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (dentifying indical such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).    DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding Requirement (PTO-948)    notice of Draftperson's Patent Drawing Review (PTO-948)    paper No./Mail Date    notice of Draftperson's Patent Drawing Review (PTO-948)    paper No./Mail Date    2.   Sexaminer's Amendment/Comment Paper No./Mail Date    2.   Sexaminer's Comment Regarding Requirement for Deposit of Biological Material	☑ The allowed claim(s) is/are <u>1-5, 7-10 and 21-31</u> .		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.     Notice of References Cited (PTO-892)	a) All b) Some* c) None of the:  1. Certified copies of the priority documents have be 2. Certified copies of the priority documents have be 3. Copies of the certified copies of the priority documents have be international Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of the noted below. Failure to timely comply will result in ABANDONMENTHIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	en received. en received in Application nents have been received his communication to file T of this application.  d. Note the attached EXA	n No in this national stage application from the a reply complying with the requirements
DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  tachment(s)  Notice of References Cited (PTO-892)  Notice of Draftperson's Patent Drawing Review (PTO-948)  Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  Examiner's Comment Regarding Requirement for Deposit of Biological Material	<ul> <li>(a) ☐ including changes required by the Notice of Draftsperson'</li> <li>1) ☐ hereto or 2) ☐ to Paper No./Mail Date</li> <li>(b) ☐ including changes required by the attached Examiner's Ar Paper No./Mail Date</li> </ul>	s Patent Drawing Review mendment / Comment or	in the Office action of
<ul> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statements (PTO/SB/08),         Paper No./Mail Date</li> <li>Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> <li>Notice of Informal Patent Application</li> <li>Interview Summary (PTO-413),         Paper No./Mail Date</li> <li>Examiner's Amendment/Comment</li> <li>Examiner's Statement of Reasons for Allowance</li> </ul>	☐ DEPOSIT OF and/or INFORMATION about the deposit	of BIOLOGICAL MATE	RIAL must be submitted. Note the
. ☐ Notice of References Cited (PTO-892)  . ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  . ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit of Biological Material  5. ☐ Notice of Informal Patent Application  6. ☐ Interview Summary (PTO-413), Paper No./Mail Date  7. ☑ Examiner's Amendment/Comment  8. ☐ Examiner's Statement of Reasons for Allowance			
. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)    Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date    Examiner's Comment Regarding Requirement for Deposit of Biological Material    Interview Summary (PTO-413), Paper No./Mail Date    Examiner's Amendment/Comment   Statement of Reasons for Allowance   Statement of Reasons for Allowance			
Paper No./Mail Date  ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  ☐ Examiner's Statement of Reasons for Allowance		5 □ Notice of Inf	ormal Patent Application
Paper No./Mail Date  Examiner's Comment Regarding Requirement for Deposit	☐ Notice of References Cited (PTO-892)		• •
<ul> <li>□ Examiner's Comment Regarding Requirement for Deposit</li> <li>8. □ Examiner's Statement of Reasons for Allowance</li> <li>of Biological Material</li> </ul>	<ul><li>☐ Notice of References Cited (PTO-892)</li><li>☐ Notice of Draftperson's Patent Drawing Review (PTO-948)</li></ul>	6. ☐ Interview Su Paper No./I	mmary (PTO-413), Mail Date
	<ul> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date</li> </ul>	6. ☐ Interview Su Paper No./I 7. ⊠ Examiner's /	mmary (PTO-413), Mail Date Amendment/Comment
	<ul> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>□ Information Disclosure Statements (PTO/SB/08),         Paper No./Mail Date         □ Examiner's Comment Regarding Requirement for Deposit</li> </ul>	6. ☐ Interview Su Paper No./I 7. ⊠ Examiner's /	mmary (PTO-413), Mail Date Amendment/Comment
	<ul> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>□ Information Disclosure Statements (PTO/SB/08),</li></ul>	6. ☐ Interview Su Paper No./I 7. ☑ Examiner's / 8. ☐ Examiner's S	mmary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowance

Application/Control Number: 10/789,503

Art Unit: 3729

## **DETAILED ACTION**

This office action is a response to the amendment filed on 6/4/2007.

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

## **IN THE CLAIMS**

Re. Claims 2-5 and 7-10: Before the phrase "method" as recited in line 1, change the phrase "A" to -The--.

Re. Claim 4: Before the phrase "trench" as recited in line 2, change the phrase "a" to -The--.

- 2. Claims 1-5, 7-10 and 21-31 are allowed.
- 3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul D. Kim whose telephone number is 571-272-4565. The examiner can normally be reached on Monday-Thursday between 6:00 AM to 2:00 PM.

Art Unit: 3729

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Paul D Kim
Primary Examine

Art Unit 3729